

| | Type | Hits | Search Text | DBs |
|---|------|------|--|--|
| 1 | BRS | 417 | ((source adj drain adj extension) or LDD or (lightly adj doped)) with ((boron or B) and (Carbon or C) and (fluorine or F)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 2 | BRS | 1609 | ((source adj drain adj extension) or LDD or (lightly adj doped)) same ((boron or B) and (Carbon or C) and (fluorine or F)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 3 | BRS | 29 | ldd with fluorine | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 4 | BRS | 0 | ldd with (fluorine and boron and carbon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |

| | Type | Hits | Search Text | DBs |
|---|------|------|---|--|
| 5 | BRS | 52 | 1dd with (fluori\$2 and boron) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 6 | BRS | 0 | 1dd with (fluori\$2 and boron and carbon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 7 | BRS | 93 | 1dd same (boron and fluoride) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 8 | BRS | 66 | 1dd same (boron and fluoride) | USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 9 | BRS | 5 | 1dd with carbon | USPAT |

| | Type | Hits | Search Text | DBs |
|----|------|------|---|--|
| 10 | BRS | 8 | 1dd with (fluorine and boron) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 11 | BRS | 26 | (halo or pocket) with implant\$5 with (before or prior) with (boron or B) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 12 | BRS | 0 | S10 and carbon | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 13 | BRS | 3 | (1dd same (boron and fluoride)) and carbon | USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |

| | Type | Hits | Search Text | DBs |
|----|------|------|--------------------------------------|--|
| 14 | BRS | 20 | 1dd with carbon | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 15 | BRS | 3 | carbon with implantation with 1dd | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 16 | BRS | 1452 | carbon with implantation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| 17 | BRS | 73 | carbon adj implantation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |

| | Type | Hits | Search Text | DBs |
|----|------|------|----------------|--|
| 18 | BRS | 14 | S17 and MOSFET | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |

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DIALOG File. 2:INSPEC 1969-2005/Jul W5
 (c) 2005 Institution of Electrical Engineers

| Set | Items | Description |
|-----|--------|--|
| S1 | 85 | CI=BF |
| S2 | 633 | CI=BF2 |
| S3 | 259 | CI=BF3 |
| S4 | 31 | CI=BF4 |
| S5 | 214423 | CI=C |
| S6 | 55802 | CI=B |
| S7 | 46527 | CI=F |
| S8 | 576 | S5 AND S6 AND S7 |
| S9 | 85 | S1:S4 AND S8 |
| S10 | 85 | S1:S4 AND S5 |
| S11 | 13 | S8:S10 AND (LIGHT??? (2N)DOP??????? OR LDD OR LDDS OR L()D OR EXTENSION??? OR S(4N)D OR SOURCE(4N)DRAIN) |
| S12 | 111 | (B OR BORON) (5N) (C OR CARBON) (5N) (F OR FLUOR?????) AND (L- IGHT??? (2N)DOP??????? OR LDD OR LDDS OR L()D OR EXTENSION??? OR S(4N)D OR SOURCE(4N)DRAIN) |
| S13 | 4 | S12 AND (DRAIN?? OR LDD OR LDDS OR LIGHT??? (3N)DOP?????) |

08aug05 12:00:55 User259284 Session D3248.4

SYSTEM:OS - DIALOG OneSearch

File 23:CSA Technology Research Database 1963-2005/Jul
 File 2:INSPEC 1969-2005/Jul W5
 File 6:NTIS 1964-2005/Jul W5
 File 8:Ei Compendex(R) 1970-2005/Jul W4
 File 25:Weldasearch-19662005/Jul (c) 2005 TWI Ltd
 File 31:World Surface Coatings Abs 1976-2005/Jul
 File 33:Aluminium Industry Abstracts 1966-2005/Jul
 File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W5
 File 35:Dissertation Abs Online 1861-2005/Jul
 File 36:MetalBase 1965-20050804
 File 46:Corrosion Abstracts 1966-2005/Jul
 File 56:Computer and Information Systems Abstracts 1966-2005/Jul
 File 57:Electronics & Communications Abstracts 1966-2005/Jul
 File 60:ANTE: Abstracts in New Tech & Engineer 1966-2005/Jul
 File 63:Transport Res(TRIS) 1970-2005/Apr
 File 65:Inside Conferences 1993-2005/Aug W1
 File 68:Solid State & Superconductivity Abstracts 1966-2005/Jul
 File 81:MIRA - Motor Industry Research 2001-2005/Jun
 File 87:TULSA (Petroleum Abs) 1965-2005/Jul W5
 File 94:JICST-EPlus 1985-2005/Jun W3
 File 95:TEME-Technology & Management 1989-2005/Jul W1
 File 96:FLUIDEX 1972-2005/Jul
 File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Jul
 File 103:Energy SciTec 1974-2005/Jul B2
 File 104:AeroBase 1999-2005/May
 File 118:ICONDA-Intl Construction 1976-2005/Jul
 File 144:Pascal 1973-2005/Jul W5
 File 239:Mathsci 1940-2005/Sep
 File 240:PAPERCHEM 1967-2005/Aug W1
 File 248:PIRA 1975-2005/Jul W3
 File 293:Engineered Materials Abstracts 1966-2005/Jul
 File 315:ChemEng & Biotec Abs 1970-2005/Jul
 File 323:RAPRA Rubber & Plastics 1972-2005/Jul
 File 335:Ceramic Abstracts/World Ceramics Abstracts 1966-2005/Jul
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

| Set | Items | Description |
|-----|-------|--|
| S1 | 43029 | (C OR CARBON) (6N) (B OR BORON) AND (F OR FLUOR????? OR BF OR BF2 OR BF3 OR BF??) (6N) (C OR CARBON) |
| S2 | 31 | DRAIN?? AND S1 |
| S3 | 6393 | LDD? ? |
| S4 | 0 | 1AND3 |
| S5 | 44 | S1 AND LIGHT??? (3N) (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING????? OR DOPANT?????) |
| S6 | 75 | S2 OR S5 |
| S7 | 55 | RD S6 (unique items) |
| S8 | 9 | S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) (B OR BORON) |
| S9 | 10 | S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) (C OR CARBON) |
| S10 | 5 | S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) (F OR FLUORINE OR FLUORIDE) |
| S11 | 0 | S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) BORIDE |
| S12 | 0 | S7 AND (ION? ? OR IMPLANT????????? OR DOPE????? OR DOPING???? - OR DOPANT?????) (6N) CARBIDE |
| S13 | 5 | S10:S11 |
| S14 | 12 | S8:S11 |

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File 2:INSPEC 1969-2005/Jul W4
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| Set | Items | Description |
|-----|-------|---|
| S1 | 11 | (HALODOP? OR HALO) (4W) (BEFORE OR PRIOR) |
| S2 | 0 | S1 AND CI=AS DOP |
| S3 | 12 | (HALODOP? OR HALO) AND CI=AS DOP |
| S4 | 11 | S3 AND IMPLANT???????? |
| S5 | 2 | S3 AND P()TYPE |
| S6 | 2 | S3 AND EXTENSION??? |
| S7 | 3 | S3 AND SOURCE? ?(4N) DRAIN? ? |
| S8 | 1 | S3 AND S(4N)D |
| S9 | 4 | S5:S8 |
| S10 | 15 | CI=F DOP AND CI=C DOP AND CI=B DOP |
| S11 | 0 | S10 AND EXTENSION??? |
| S12 | 0 | S10 AND SOURCE? ?(4N) DRAIN? ? |
| S13 | 0 | S10 AND S(4N)D |
| S14 | 0 | S10 AND TRANSIEN?????(5N) ENHANC? |
| S15 | 0 | S10 AND TRANSIEN?????(5N) DIFFUS? |
| S16 | 1 | S10 AND ENHANCED(5N) DIFFUS? |
| S17 | 3 | S10 AND (B OR BORON) (5N) DIFFUS? |
| S18 | 3 | S16:S17 NOT S9 |

CAS/STN FILE 'REGISTRY' ENTERED AT 09:16:33 ON 04 AUG 2005

L1 44 S FLUORINE/CN OR F/MF
 L2 40 S BORON/CN OR B/MF
 L3 62 S CARBON/CN OR C/MF

FILE 'CAPLUS' ENTERED AT 09:17:19 ON 04 AUG 2005

L4 3134 S L1(L)MOA/RL
 L5 15622 S L2(L)MOA/RL
 L6 13130 S L3(L)MOA/RL
 L7 54 S L4 AND L5 AND L6
 L8 2 S L7 AND (CODOP? OR TRIDOP? OR COIMPLANT? OR
 TRIIMPLANT? OR (CO OR TRI OR THREE OR 3) (2A) (IMPLANT##### OR
 IMPURITY OR ION OR DOPE#### OR DOPING OR DOPANT))

D ALL HITSTR TOT

L9 305142 S (B OR BORON) (6A) (C OR CARBON)
 L10 30353 S (B OR BORON) (6A) (F OR FLUORINE)
 L11 42992 S (C OR CARBON) (6A) (F OR FLUORINE)
 L12 2 S L7 AND L8
 L13 20 S L7 AND L9
 L14 17 S L7 AND L10
 L15 21 S L7 AND L11
 L16 16 S L13 AND L14 AND L15
 L17 15 S L16 NOT L8

D BIB AB HITSTR TOT

L18 1 S L7 AND SOURCE(3A) DRAIN
 L19 0 S L7 AND S(3A) D
 L20 0 S L7 AND EXTENSION
 L21 1 S L18 NOT L8

D BIB AB HITSTR

FILE 'REGISTRY' ENTERED AT 09:25:00 ON 04 AUG 2005

L22 107 S AS/MF OR ARSENIC/CN

FILE 'CAPLUS' ENTERED AT 09:25:28 ON 04 AUG 2005

L23 130 S L22(L) (HALO OR HALODOP?)
 L24 4295 S L22(L)MOA/RL
 L25 19 S L23 AND L24
 L26 1 S (PRIOR OR BEFORE) (6A) (IMPLANT##### OR

DOP#### OR ION OR IMPURITY) AND L25
 D BIB AB HITSTR
 L27 3 S L25 AND EXTENSION
 L28 12 S L25 AND SOURCE(3A) DRAIN
 L29 1 S L25 AND P TYPE
 L30 12 S (L27 OR L28 OR L29) NOT L26
 D BIB AB HITSTR TOT
 L31 6 S L25 NOT (L30 OR L26)
 D BIB AB HITSTR TOT
 L32 0 S L7 AND EXTEN#####
 L33 48401 S (B OR BORON) (6A) (IMPLANT##### OR DOP#####
 OR ION OR IMPURITY)
 L34 85947 S (C OR CARBON) (6A) (IMPLANT##### OR
 DOP#### OR ION OR IMPURITY)
 L35 22560 S (F OR FLUORINE) (6A) (IMPLANT##### OR
 DOP#### OR ION OR IMPURITY)
 L36 27 S L7 AND L33 AND L34
 L37 27 S L35 AND L36
 L38 20 S L37 NOT (L8 OR L17 OR L21)
 L39 14 S L38 AND (SEMICONDUCT? OR 257?/NCL OR
 438?/NCL OR H01L?/IC OR TRANSISTOR OR TRANSIENT OR ENHANCED OR
 DIFFUSION OR DEEP#### OR DEPTH)
 L40 20 S L38 OR L39

FILE 'REGISTRY' ENTERED AT 17:10:03 ON 05 AUG 2005

L1 40 S B/ME OR BORON/CN
L2 62 S C/ME OR CARBON/CN
L3 54 S FLUORINE/CN OR FLUORIDE/CN OR (F OR F2)/ME

L4 1 S FLUORINE/CN

FILE 'CAPLUS' ENTERED AT 17:10:54 ON 05 AUG 2005

L5 7375 S LDD OR L D D OR LIGHT##(A)DOP####
L6 9185 S (C OR CARBON) (8A) (F OR FLUOR#####) (8A) (B
OR BORON)

L7 15629 S L1(L)MOA/RL
L8 13138 S L2(L)MOA/RL

L9 3156 S (L3 OR L4) (L)MOA/RL

L10 2 S L5 AND L6

L11 0 S L5 AND L7 AND L8 AND L9

L12 5 S L5 AND L7 AND L8

L13 5 S L5 AND L7 AND L9

L14 0 S L5 AND L8 AND L9

L15 12 S (L10 OR L11 OR L12 OR L13 OR L14)

D BIB AB HITSTR TOT

L16 271 S IEEE/SO AND L5

L17 18 S L16 AND L1

L18 1 S L16 AND L2

L19 2 S L16 AND (L3 OR L4)

L20 0 S (C OR CARBON) (8A) (F OR FLUOR#####) AND
L16

L21 1 S (C OR CARBON) (8A) (B OR BORON) AND L16

L22 22 S (L17 OR L18 OR L19 OR L20 OR L21) NOT L15

L23 0 S L22 AND L2 AND L3

L24 0 S L22 AND L2 AND L1

S L22 AND (ARSENIC OR ARSENIC/CN OR AS/ME)

FILE 'REGISTRY' ENTERED AT 17:16:26 ON 05 AUG 2005

L25 107 S AS/ME

FILE 'CAPLUS' ENTERED AT 17:16:26 ON 05 AUG 2005

L26 83890 S L25

FILE 'REGISTRY' ENTERED AT 17:16:27 ON 05 AUG 2005
L27 1 S ARSENIC/CN

FILE 'CAPLUS' ENTERED AT 17:16:27 ON 05 AUG 2005

L28 80692 S L27
L29 3 S L22 AND (ARSENIC OR L28 OR L26)

D BIB AB HITSTR TOT

L30 0 S (L6 OR (L2 AND (L3 OR L4))) AND L16

L31 2 S L22 AND F

L32 3 S L22 AND FLUOR#####

L33 4 S L22 AND C

L34 1 S L22 AND CARBON

L35 7 S (L29 OR L30 OR L31 OR L32 OR L33 OR L34)

NOT (L29 OR L15)

CAS/STN FILE 'REGISTRY' ENTERED AT 12:44:28 ON 08 AUG 2005

L1 980 SEA ABB=ON PLU=ON BORON FLUORIDE
L2 40 SEA ABB=ON PLU=ON B/MF OR BORON/CN
L3 54 SEA ABB=ON PLU=ON (F OR F2)/MF OR FLUORINE/CN OR FLUORIDE/MF
L4 62 SEA ABB=ON PLU=ON C/MF OR CARBON/CN

FILE 'CAPLUS' ENTERED AT 12:45:58 ON 08 AUG 2005

L5 15638 SEA ABB=ON PLU=ON L2(L)MOA/RL
L6 3158 SEA ABB=ON PLU=ON L3(L)MOA/RL
L7 13145 SEA ABB=ON PLU=ON L4(L)MOA/RL
L8 399 SEA ABB=ON PLU=ON L1 AND L4
L9 0 SEA ABB=ON PLU=ON L8 AND (LDD OR LD OR L D D OR LIGHTLY
DOPED OR (S(2A)D OR SOURCE(2A)DRAIN) (7A)EXTEN#####)
L10 37 SEA ABB=ON PLU=ON L2 AND L3 AND L4 AND L8
L11 0 SEA ABB=ON PLU=ON L10 AND EXTENSION
L12 0 SEA ABB=ON PLU=ON L10 AND (LDD OR LD OR L D D OR LIGHTLY
DOPED OR S(2A)D OR SOURCE(2A)DRAIN)